|            | •  | $\sim$ | •      |
|------------|----|--------|--------|
| <br>ıdex   | ~+ | 1 -10  | mo     |
| <br>ILIE X |    | 100    | 111113 |



Application/Control No.

Applicant(s)/Patent under Reexamination

10/758,561

Examiner

DICKINSON ET AL. Art Unit

Brian M. Healy

2883

Rejected **Allowed** 

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** 0 Objected

|     |                      | ٠. ا       |          |          |          |          |          |          |          |                    | <u> </u> |
|-----|----------------------|------------|----------|----------|----------|----------|----------|----------|----------|--------------------|----------|
| _   | •                    |            |          |          |          |          |          |          |          |                    |          |
| L   | Cla                  | im         | Date     |          |          |          |          |          |          |                    |          |
| l   |                      | -          | _        | _        |          |          |          |          |          |                    |          |
| ١   | al                   | Original   | 90/08/9  |          |          |          |          |          |          |                    |          |
| 1   | Final                | rig        | 33       |          |          |          |          |          |          |                    |          |
| ١   |                      | 0          | 2        |          |          |          |          |          |          |                    |          |
| h   | · 1                  | 1          | =        | -        | -        |          | _        |          |          |                    | _        |
| H   | 2                    | 2          | _        | Н        | $\vdash$ |          |          |          |          |                    |          |
| H   | 2                    | 3          | ┰        | $\vdash$ | $\vdash$ |          |          |          |          |                    | _        |
| H   | 1                    | 4          | Ξ        | H        |          |          |          |          |          |                    | -        |
| H   | 5                    | 5          | =        | $\vdash$ | $\vdash$ | _        | $\vdash$ | _        |          |                    | -        |
| H   |                      |            | ÷        | -        | $\vdash$ |          |          | _        | _        | _                  |          |
| H   | 6<br>7               | 6<br>7     | -        | $\vdash$ | $\vdash$ | _        |          |          |          |                    | <u> </u> |
| H   | 8                    | 8          | _        | $\vdash$ | ⊢        |          |          |          | _        |                    |          |
| H   |                      | 0          |          | -        | -        | _        |          |          | _        | _                  | -        |
| -   | 8<br>10              | 9          | =        | -        |          |          |          |          |          |                    | _        |
| H   |                      | 10         | ᄪ        | <u> </u> | _        | _        | _        | •        | _        | _                  | _        |
| 1   | 11                   | 11         | =        | $\vdash$ | <u> </u> |          |          | <u> </u> | <u> </u> | $\vdash$           | <u> </u> |
| L   | 12                   | 12<br>13   | =        |          | <u> </u> | Ш        | <u> </u> | <u> </u> | ا        | $ldsymbol{\sqcup}$ | L        |
| 1   | 13                   | 13         | =        | <u> </u> | _        | _        | _        |          | _        | _                  |          |
| L   | 12<br>13<br>14<br>15 | 14<br>15   | =        |          | L        | Ш        |          |          | Щ.       |                    | L_       |
|     | 15                   | 15         | =        | Ш        |          |          |          |          |          | Ш                  | L        |
| 1   | 16                   | 16         | =        |          |          |          |          |          |          |                    |          |
| L   | 17                   | 17<br>18   | =        |          |          |          |          |          |          |                    |          |
| L   | 18                   | 18         | =        |          |          |          |          |          |          |                    |          |
| Г   | 19                   | 19         | =        |          |          |          |          |          |          |                    |          |
| Γ   | 20                   | 20         | =        |          |          | *        |          |          |          |                    |          |
| ľ   | 21                   | 21         | =        |          | _        |          |          |          |          |                    |          |
| r   | 22                   | 22         | =        | <u> </u> |          |          | Г        |          |          |                    |          |
| t   | 23                   | 23         | =        |          |          | Г        |          | _        | _        |                    |          |
| r   | 24                   | 24         | =        |          | <u> </u> |          | $\vdash$ |          |          |                    |          |
| ŀ   | 25                   | 25         | =        | $\vdash$ | _        |          | $\vdash$ | _        | _        |                    | -        |
| ŀ   | 26                   | 26         | -        | $\vdash$ | ┢        | -        | -        | _        | _        | $\vdash$           |          |
| ŀ   | 27                   | 27         | =        | $\vdash$ |          | $\vdash$ | -        |          |          | $\vdash$           |          |
| ŀ   | 28                   | 28         | =        | $\vdash$ | _        |          | $\vdash$ | _        | _        | $\vdash$           | -        |
| ŀ   | 29                   | 29         | =        | ⊢        | ┝        |          | -        |          | _        | $\vdash$           |          |
| ⊦   | 30                   | 30         | =        | ⊢        | _        | $\vdash$ | $\vdash$ |          |          | H                  |          |
| H   |                      | 30         |          | $\vdash$ | ├─       | -        | <u> </u> |          |          | -                  |          |
| -   | 31                   | 31         | =        | $\vdash$ | <u> </u> | $\vdash$ | ⊢        |          |          | $\vdash$           | ·        |
| ŀ   | 32                   | 32         | =        | <u> </u> | <u> </u> | Щ        | ⊢        | ļ        |          | $\vdash$           |          |
| ļ   | 33                   | 33         | =        | <u> </u> |          | _        | _        |          | _        |                    | <u> </u> |
| -   | 34                   | 34         | =        | <u> </u> | L-       | L.       | ļ        | L-       | _        | lacksquare         | _        |
| L   | 35                   | 35         | =        | <u> </u> | <u> </u> | Щ        | <u> </u> |          | <u> </u> | <u> </u>           | L.       |
| L   | 36                   | 36         | =        | <u> </u> |          | _        |          |          | <u> </u> | L                  |          |
| L   | 37                   | 37         | =        | <u> </u> |          | _        | _        |          | L_       |                    | <u> </u> |
| L   | 38                   | 38         | =        | _        |          | Ш        |          |          |          | _                  |          |
| L   | 39                   | 39         | =        | <u> </u> |          | 匚        | 匚        | _        | <u> </u> | L                  | <u></u>  |
|     | 40                   | 40         | "        | <u> </u> | L        |          | _        | <u></u>  | _        | $\Box$             | _        |
| L   | 41                   | 41         | =        | <u></u>  | _        | L        | <u> </u> |          |          | $oxedsymbol{oxed}$ | <u> </u> |
|     |                      | *2         |          |          |          | L        | L        |          |          | Ĺ                  | L        |
|     |                      | 43         | L        |          | Ŀ        |          | L        |          |          | L                  |          |
|     |                      | <b>A4</b>  | L        |          |          | L        | L        |          |          |                    |          |
|     |                      | 46         |          |          |          |          |          |          |          |                    |          |
| Γ   |                      | .46        |          |          |          |          |          |          |          |                    |          |
| r   |                      | <b>4</b> 2 |          |          |          |          |          |          |          |                    | <u> </u> |
|     | ~                    | 48         |          |          |          | Г        |          |          |          | Г                  |          |
| t   |                      | 20         |          | Γ-       | ┍        |          |          | <u> </u> | $\vdash$ | $\vdash$           |          |
|     |                      | 30         | $\vdash$ | $\vdash$ | _        |          | <u> </u> |          | $\vdash$ | $\vdash$           | ┢        |
| - 1 |                      |            |          |          |          |          |          |          |          |                    |          |

| Claim        |   | Date   |           |          |  |  |              |              |          |          |  |  |
|--------------|---|--|-----------|----------|--|--|--------------|--------------|----------|----------|--|--|
|              |   |  |           |          |  |  |              |              |          |          |  |  |
| =            | <u>a</u>                                  | ဖြွ  |           |          |  |  |              |              |          |          |  |  |
| Final        | gi  | ŏ  | 1         |          |  |  |              |              |          |          |  |  |
| ш            | Ö   | 5/30/06  |           |          |  |  |              |              |          |          |  |  |
|              | Original                                  |  |           |          | -  |  | 1            |              |          |          |  |  |
|              | 31  |  |           |          |  |  |              |              |          |          |  |  |
|              | 32  |  |           |          |  |  |              |              |          | _        |  |  |
|              | <b>X</b> 2.                               |  |           |          |  |  | _            |              | _        | _        |  |  |
|              | 36  | -  | -         | $\vdash$ |  |  | -            | $\vdash$     |          | -        |  |  |
|              | 347                                       |  |           |          |  | _  | _            | <u> </u>     |          | _        |  |  |
|              | 95  |  |           |          |  |  |              |              |          |          |  |  |
|              | 58  |  |           |          |  |  |              |              |          |          |  |  |
|              | 3   |  |           |          |  |  |              |              |          | П        |  |  |
|              | 38  |  |           |          |  |  |              |              |          |          |  |  |
|              | AG.                                       | -  |           |          |  |  |              | $\vdash$     |          | _        |  |  |
|              | 200                                       |  | -         | Н        |  |  | <del> </del> | $\vdash$     | _        | -        |  |  |
| <b></b> -    | 8   |  |           |          |  | <u> </u>   | Ŀ            | $\vdash$     | _        | -        |  |  |
| <u> </u>     | 2   | _  | $\square$ | _        |  | L  | <u> </u>     | <u> </u>     | _        | _        |  |  |
|              | 62  | _  |           | _        |  | <u> </u>   | <u> </u>     |              | L        | _        |  |  |
|              | 68  | L  |           |          |  | L  | L            | L            |          | L        |  |  |
|              | 64  |  |           |          |  |  |              |              |          |          |  |  |
|              | 06  |  |           |          | П  | $\Box$   |              | П            |          |          |  |  |
|              | 66  | П  | Н         |          | _  | ├──  | Ι-           | $\vdash$     | $\vdash$ | Н        |  |  |
| <del></del>  | TARAMARAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAK | $\vdash$   | $\vdash$  | $\vdash$ | H  | -  | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$ |  |  |
|              | 00  | _  |           | $\vdash$ |  |  | $\vdash$     | $\vdash$     |          | _        |  |  |
|              | 0.0                                       |  |           |          |  |  | _            | $\perp$      |          |          |  |  |
|              | 96  |  |           |          |  |  |              |              |          |          |  |  |
|              | *Q  |  |           |          |  |  | L            |              |          |          |  |  |
|              | <b>7</b> 1.                               |  |           |          |  |  |              |              |          |          |  |  |
|              | 12  |  |           |          |  |  |              |              |          |          |  |  |
|              | <b>V</b> 3                                | $\overline{}$  |           |          |  |  |              |              |          |          |  |  |
| <u> </u>     | <b>3</b>                                  | -  | _         | -        | _  | _  | -            | $\vdash$     | _        | ┢        |  |  |
| <del> </del> | 100                                       | $\vdash$   | -         | H        | $\vdash$   | _  | <u> </u>     | $\vdash$     | _        | _        |  |  |
|              | **  | ļ  | _         |          |  | -  |              |              | _        | _        |  |  |
| <u> </u>     | No  |  | _         | <u> </u> |  |  | Ŀ            | _            | _        |          |  |  |
|              | X.  |  |           |          |  |  |              |              |          |          |  |  |
|              | 78  |  |           |          |  |  |              |              |          |          |  |  |
|              | 70  |  |           |          |  |  |              |              |          |          |  |  |
|              | 80  |  |           |          |  |  |              |              |          |          |  |  |
| $\vdash$     | 78.1                                      |  |           |          |  |  | $\vdash$     | $\vdash$     |          |          |  |  |
| <del></del>  | 192                                       | $\vdash$   | Н         | $\vdash$ | <del>                                     </del> |  | $\vdash$     | <u> </u>     |          | $\vdash$ |  |  |
| <del> </del> | × ×                                       | $\vdash$   | Н         | $\vdash$ | $\vdash$   |  | $\vdash$     | $\vdash$     | Н        | Ŀ        |  |  |
| ļ            | 00  | $\vdash$   | $\vdash$  | $\vdash$ | $\vdash$   |  | $\vdash$     | <u> </u>     | Щ.       | _        |  |  |
|              | 84  | <u> </u>   |           | $\vdash$ | $oxed{oxed}$                                     |  | <u> </u>     | $oxed{oxed}$ |          |          |  |  |
|              | 85  | $ldsymbol{ld}}}}}}$ |           | <u>_</u> |  | L  | L            | L            |          | L        |  |  |
|              | 86  |  |           |          |  |  | L            |              |          | L        |  |  |
|              | 87  |  |           | _        |  | Γ  |              |              |          |          |  |  |
|              | 88  |  |           | Γ        |  |  | Г            | _            |          |          |  |  |
|              | 80  | <del>                                     </del>   | $\vdash$  |          |  | <del>                                     </del> | $\vdash$     | -            | -        | $\vdash$ |  |  |
| <del> </del> | 200                                       |  | $\vdash$  | $\vdash$ |  | <del> -</del>                                    | $\vdash$     |              | $\vdash$ | ┝        |  |  |
| <del> </del> | 1 ×                                       | $\vdash$   | $\vdash$  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     | -            | $\vdash$ | $\vdash$ |  |  |
| <b> </b>     | 91  | $\vdash$   | $\vdash$  | <u> </u> | <u> </u>   | <del> </del>                                     | <u> </u>     | _            | <u> </u> | L        |  |  |
|              | 92  | $\vdash$   |           | _        | <u> </u>   | <u> </u>   | <u> </u>     |              |          | <u> </u> |  |  |
|              | 93  | $oxed{oxed}$   |           |          |  |  | oxdot        |              |          | L        |  |  |
| L            | 94  |  |           |          |  |  |              |              |          | L        |  |  |
|              | 35  |  |           |          |  |  |              |              |          |          |  |  |
|              | 96  |  |           | _        | $\vdash$   |  | Г            |              | _        |          |  |  |
| <del> </del> | 97  |  | $\vdash$  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     |              |          | $\vdash$ |  |  |
| $\vdash$     | 98  | $\vdash$   | $\vdash$  | $\vdash$ | $\vdash$   | -  | -            | $\vdash$     | <u> </u> | H        |  |  |
| <del> </del> | 100                                       | -  | -         |          | <del> </del>                                     | ├-   | $\vdash$     | -            | <u> </u> | -        |  |  |
| <u> </u>     | 109                                       | _  | _         | <u> </u> | <b> </b> _                                       | <u> </u>   | Ŀ            | <u> </u>     |          | L_       |  |  |
| l            | 100                                       |  | ł         | 1        | l  | ı  |              |              |          | ı        |  |  |

| Claim          |  | Date         |  |  |  |  |  |  |          |                 |
|----------------|--|--------------|--|--|--|--|--|--|----------|-----------------|
|                |  |              |  |  |  |  |  |  |          | П               |
| <del>a</del>   | Original   | 5/30/06      |  |  |  |  |  |  |          |                 |
| Final          | <u>:</u> g   | 30           |  |  |  |  |  |  |          |                 |
| "              | ō  | 5            |  |  |  |  |  |  |          |                 |
|                | 301  | $\vdash$     |  |  | _  | H  | -  |  | _        | $\vdash$        |
|                | 100  | _            | _  | _  | -  |  | ┝  | _  |          | Н               |
|                | rec  | $\vdash$     |  |  |  |  | <u> </u>   | -  | $\perp$  | $\vdash \vdash$ |
|                | 1100   | L            | <u> </u>   |  | <u> </u>   |  | <u> </u>   |  |          | Ш               |
| 42             | 101<br>102<br>1103<br>1104                           | =            |  |  | _  | _  |  |  | _        |                 |
| 43             | 105  | =            |  |  |  |  |  |  |          | Ш               |
| 44             | 106  | =            |  |  |  |  |  |  |          | Ш               |
| 45             | 107  | =            |  |  |  |  |  |  |          | Ш               |
| 46             | 108  | =            |  |  |  |  |  |  |          | Ш               |
| 47             | 109  | =            |  |  |  |  |  |  |          |                 |
| 48             | 110  | =            |  |  |  |  |  |  |          |                 |
| 49             | 111  | =            |  |  |  |  |  |  |          |                 |
| 50             | 112  | =            |  |  |  |  |  |  |          |                 |
| 51             | 112<br>113   | =            |  |  |  | l  |  |  |          |                 |
| 52             | 114  | =            | <del>                                     </del> |  |  |  |  |  |          |                 |
| 53             | 115  | =            |  |  | <del>                                     </del> | <b></b> -  | <u> </u>   |  | $\vdash$ |                 |
| 54             | 116  | =            | H  | Н  |  | $\vdash$   | <del>                                     </del> | <del>                                     </del> |          | $\vdash$        |
| 55             | 117  | =            | -  | -  | $\vdash$   | <del>                                     </del> | -  | $\vdash$   | -        | $\vdash$        |
| 56             | 118  | =            |  | -  |  |  | -  | -  | $\vdash$ |                 |
|                | 110  | Ε.           |  | -  | Ŀ  |  | _  | $\vdash$   | _        |                 |
| 57             | 119  | =            |  | -  | <u> </u>   |  | -  | ┝  | _        | <u> </u>        |
| 58             | 120  | =            | ·  |  | <u> </u>   | _  | _  | <u> </u>   | ·        | Ш               |
| 59             | 121  | =            |  |  | <u> </u>   | <u> </u>   | <u> </u>   |  |          | Ш               |
| 60             | 122  | =            |  |  | <u> </u>   | _  | <u> </u>   |  | _        | Ш               |
| 61             | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 | =            |  | _  |  | <u> </u>   | _  |  |          |                 |
| 62             | 124  | =            |  | _  | <u></u>  |  | <u> </u>   |  |          | Ш               |
| 63             | .125   | =            |  |  |  |  |  |  |          | Ш               |
| 64             | 126  | =            |  |  | _  |  |  |  |          | Ш               |
| 65             | 127  | =            |  |  |  |  |  |  |          |                 |
| 66             | 128  | =            |  |  |  |  |  |  |          |                 |
| 67             | 129  | =            |  |  |  |  | П  |  |          | П               |
| 68             | 130<br>131<br>132                                    | =            |  |  |  |  | ·  |  |          |                 |
| 69             | 131  | =            |  | Г  |  |  |  |  |          | П               |
| 70             | 132  | =            |  |  |  |  | Г  |  |          | П               |
| 71             | 133  | =            | Г  | ļ  |  |  | Г  | Г  |          | П               |
| 72             | 133<br>134   | =            | $\vdash$   | <u>.                                    </u> |  |  | Г  | Г  |          | Н               |
| 73             | 135  | =            | <u> </u>   | <del> </del>                                 | <del>                                     </del> |  | T  | Ι-   | Т        | П               |
| 73<br>74<br>75 | 136  | =            | -  |  | _  |  | Т  |  |          | H               |
| 75             | 137  | =            | -  | $\vdash$                                     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash \vdash$ |
| 76             | 138  | =            | $\vdash$   | $\vdash$                                     | $\vdash$   | _  | $\vdash$   | $\vdash$   | $\vdash$ | H               |
| 77             | 139  | =            | $\vdash$   | $\vdash$                                     |  |  | $\vdash$   | ┢  | ├        | H               |
| 78             | 140  | =            | $\vdash$   | $\vdash$                                     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -        | $\vdash \vdash$ |
|                | 444  | 1            |  | -  | -  | $\vdash$   | $\vdash$   | -  | $\vdash$ | $\vdash$        |
| 79             | 141  | H            |  | -  | -  | $\vdash$   | $\vdash$   | ⊢  |          | H               |
| 80             |  | <del>-</del> |  | -  |  | -  | -  | -  | $\vdash$ | $\vdash\vdash$  |
| 81             | 143  | =            |  |  | ├-   | ├—   | $\vdash$   | _  | $\vdash$ | Н               |
| 82             | 144  | ▐▔           |  | <u>                                     </u> | <u> </u>   | <del> </del>                                     | <u> </u>   | _  | <u> </u> | $\vdash$        |
| 83             | 145  | =            | <u> </u>   | <u> </u>                                     | <u> </u>   | <u> </u>   | <u> </u>   | <b> </b>   | <u> </u> | $\sqcup$        |
| L              | 146  | <u> </u>     | ļ  | <u> </u>                                     | <u> </u>   | <u> </u>   | _  | <u> </u>   | <u> </u> |                 |
|                | 147  | Ŀ            | <u> </u>   | <u> </u>                                     | <u> </u>   | <u> </u>   | <u> </u>   |  |          | Ш               |
| L              | 148  | L            | <u>L</u>   | L_   | _  | $oxed{oxed}$                                     |  | <u> </u>   | L        | Ш               |
|                | 149  | L            | L  | L  | L  | L  | L  |  |          |                 |
|                | 150  | $\Gamma$     |  | I  | $\Gamma$   | Ī  | Γ.   | Ī  |          | П               |